Worksheet: Coordinate Geometry in Real Objects (Pair Activity)

Student Names (Pair):

_____ & _____

Object Chosen:

_____

Step 1: Sketch your object (optional but encouraged)

Draw the object and label the two components you selected.

Step 2: Identify Two Components

Component	Name / Description	Coordinates (x, y)

Step 3: Calculations

Distance between the two components:

Use the distance formula:

Distance = sqrt((x2 - x1)^2 + (y2 - y1)^2)

Calculation:

_____

Answer: _____ units

Midpoint between the two components:

Use the midpoint formula:

Midpoint = ((x1 + x2)/2 , (y1 + y2)/2)

Calculation:

_____

Answer: _____

Reflection (Bonus)

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What did you find interesting about this task?

_____

How can coordinate geometry help in real-world technical work?

_____

Rubric (Total: 10 Marks)

Object selected is technical & relevant	2
Coordinates correctly assigned	2
Correct distance calculation	2
Correct midpoint calculation	2
Presentation / Reflection effort	2